

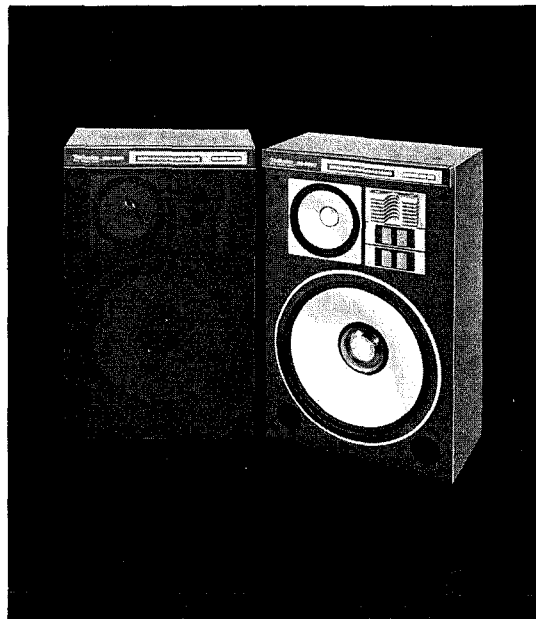
4512

Technics

Hi-Fi SPEAKER SYSTEM

SB-G920

OPERATING INSTRUCTIONS



Before operating this speaker system, please read these instructions completely.

4512

Operating Instructions

Thank you for selecting the **Technics** Hi-Fi Speaker System SB-G920. To obtain maximum satisfaction from all of its many features as well as the longest possible service, be sure to first read these instructions carefully.

INSTALLATION OF YOUR SPEAKER SYSTEM

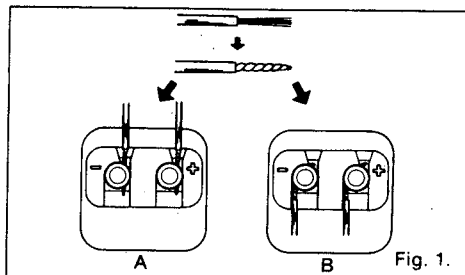
The sound reproduced by a speaker system is easily influenced by such factors as room acoustics and the place where it is placed in the room. Before finally deciding upon the place where the speaker systems are to be placed, please carefully read the following information.

- In general, if a speaker system is placed on the floor, near a corner or near a wall, the level of the bass sound will be increased by the reflections of the sounds from the wall and floor. Consequently, it is possible to adjust the bass sound to some extent by changing the distance between the speaker systems and the wall and/or floor. Determine the location of the speaker systems which gives the best sound reproduction, therefore, depending upon the actual conditions of the room in which they are to be used.
- If the speaker system faces toward a hard wall or a glass door or window, it is recommended that curtains or similar material be used in order to prevent undesirable resonance and sound reflection, especially of the treble sound.
- Vibrations from the speaker systems may be transmitted to a record player, causing acoustic feedback ("howling"). For best results, the speaker systems should not be placed near the record player, and should never be placed on the same table or shelf as the record player. It is often very effective, in order to prevent "howling", to place a thick piece of felt beneath the speaker systems and the record player.

CONNECTING THE SPEAKER SYSTEM

- Be sure to **turn off the power** of the amplifier before connecting the speaker systems to it.
- The impedance of this speaker system is **8 ohms**. Be sure that the load impedance of the amplifier to be used is 4 ~ 16 ohms.
- The input terminals of this unit are on the rear surface of the enclosure. The polarity (+ and -) of each input terminal is indicated. When connecting speaker wires from the amplifier, **be sure that the left and right connections and the plus and minus connections are made correctly**.
- When speaker connection wires are connected to the terminals, make the connections as shown in Fig. 1.

- Speaker cords ranging from standard size to extra large size can be connected to the input terminals of this unit, and can be connected from the top or bottom. Tighten the terminals firmly before use.



Be sure that the core wires don't touch each other.

POWER-HANDLING CAPACITY

The power-handling capacity of this unit is indicated in the specifications, and is determined according to the temperature increase of the voice coils.

- If the amplifier to be used has an output power which exceeds the power-handling capacity of this unit, be sure that the **amplifier's volume control** is set so that **excessive input** is not applied to the speaker system.
- Even if the amplifier to be used has an output power which is less than the power-handling capacity of this unit, the output of the amplifier will become distorted and excessive input will be applied to the speaker units, especially for the middle and high frequencies, if the **input signals to the amplifier are too large or the amplifier volume level is too high**. Also note that higher-than-normal power is applied to the speaker systems if the tone controls of an amplifier or a frequency equalizer are **used to raise the level of bass and/or treble sounds**. When adjusting the volume level, therefore, **do so with great care: confirming that amplifier output is not distorted**.
- The power-handling capacity of this unit is set for reproduction of ordinary music. If an oscillator or test record is used **to produce a continuous signal such as a sinusoidal wave, etc., a signal exceeding 2 watts must never be applied**.
- Usually, 1 watt of sine wave is enough to test a speaker system when an oscillator or test disc is used.
- If the following **special types of signals** are applied to the speaker system, be sure to **reduce the volume level of the amplifier**.
 1. Interstation hiss on the FM broadcast band.
 2. Output from a tape deck during fast forward or rewind.
 3. Acoustic feedback from a microphone or an electric musical instrument.
 4. "Shock" noise which occurs when input or output connection cords are connected or disconnected or when a phono cartridge is replaced.

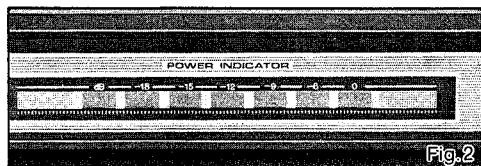
SPEAKER-PROTECTION CIRCUITRY

This unit is equipped with the automatic-reset type of **speaker-protection circuitry** in order to protect the tweeter/midrange/super tweeter speaker units from damage due to excessive input or abnormal signals.

- If excessive input is supplied to the tweeter/midrange/super tweeter, the input will be shut off by the built-in protection circuitry.
1. Reduce the amplifier's volume level immediately.
 2. The **speaker-protection circuitry** will be automatically reset in a few seconds; before increasing the amplifier's volume level, please check to be sure all equipment in your system is functioning properly.
 3. Be careful not to increase the volume of the amplifier too much.

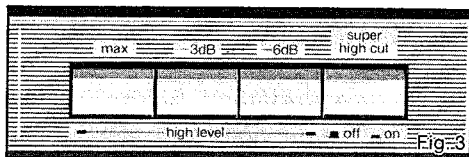
POWER INDICATOR

This speaker system includes a power indicator which lights up to display the level of the power input signals. The red indicator lights up to indicate that signals corresponding to the maximum input power of the speaker, or signals exceeding this limit, are being applied; however, if the input level is low, this indicator will not light up. If you use the speakers with this red indicator continuously on, you may damage them. When the red indicator comes on, therefore, turn down the volume control on the amplifier.



LEVEL CONTROL

This speaker system includes a level control which can be used for adjustment of the level of the tweeter and super tweeter sound and cut off the super tweeter sound depending upon the room acoustics, the sound source, and the characteristics of the phono cartridge and the amplifier which are used with this speaker system, as well as your own preference. The standard setting of the level control is the "max" position and super high cut is the "off" position.



NOTES

- Although the enclosure and the speaker units of this speaker system are made of carefully selected material and have been produced by the finest manufacturing techniques, sudden changes in surrounding temperatures and/or humidity should be avoided. **Keep this unit away from sources of heat, high humidity and direct sunlight.**
- The speaker system **should not be placed near a TV**, because the magnet may cause a disturbance in the TV picture.
- If the enclosure becomes dirty, use a soft, dry cloth to wipe it clean. If the dirt is excessive, soak a soft cloth in a weak solution of soap and water, wring it thoroughly, and then clean the enclosure. A soft dry cloth should then be used to wipe it dry. **Never use alcohol, paint thinner, benzine nor other volatile chemicals** to clean this unit because they may damage the finish, causing it to lose its luster. Also **never use a wet cloth or a chemically-impregnated cloth.**

SPECIFICATIONS

Type:	4 way 5 speaker bass-reflex system
Speakers:	Woofer: 41 cm, cone type Midrange: 18 cm, cone type Tweeter: horn type Super Tweeter: horn type × 2
Impedance:	8 ohms
Input Power:	380W, Music
Output Sound	
Pressure Level:	99 dB/W (1.0 m)
Crossover	
Frequency:	350 Hz, 3,000 Hz, 10,000 Hz
Frequency Range:	20 Hz ~ 40 kHz
Dimensions:	46.4(W) × 72.0(H) × 30.9(D) cm
Weight:	16.5 kg

English

